

FORM PTO/SB/08A/B (10-01)
Substitute for PTO-1449A/B



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Attorney Docket Number	45755/DBP/T360
Application Number	10/056,999
Filing Date	January 25, 2002
Applicant(s)	Takehiro Tsuritani, et al.
Group Art Unit	2874
Examiner Name	N/A

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - kind code ² (if known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
<i>TM</i>		5,218,662	06-08-1993	Dugan
<i>TM</i>		5,696,614	12-09-1997	Ishikawa et al
<i>TM</i>		5,777,770	07-07-1998	Naito
<i>TM</i>		5,781,673	07-14-1998	Reed et al
<i>TM</i>		5,877,881	03-02-1999	Miyauchi et al
<i>TM</i>		5,940,207	08-17-1999	Weich et al
<i>TM</i>		5,991,477	11-23-1999	Ishikawa et al
<i>TM</i>		6,021,235	02-01-2000	Yamamoto et al
<i>TM</i>		6,043,914	03-28-2000	Cook et al

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ - Number ³ - Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶ (✓)
<i>TM</i>		JP6-11620	01-21-1994	Corning Incorporated	w/English abstract and US counterpart previously filed 5,361,319 on 1/25/02

EXAMINER SIGNATURE	DATE CONSIDERED
<i>[Signature]</i>	10/2003

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.

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TM		JP10-221562	08-21-1998	Lucent Technologies Inc.	US counterpart 5,781,673 above
TM		JP2000-31902	01-28-2000	KDD Corporation	w/English abstract

OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
TM		D. LE GUEN et al, Narrow Band 640 Gbit/s Soliton WDM Transmission over 1200 km of Standard Fibre with 100 km-21 dB Amplifier Spans, ECOC, 1998, 20-24 September 1998, pages 61 and 63
TM		M. MURAKAMI et al, Long-Haul 16X10 WDM Transmission Experiment Using Higher Order Fiber Dispersion Management Technique, ECOC, 1998, 20-24 September 1998, pages 313-314.
TM		T. MATSUDA et al, 340 Gbit/s (34X10 Gbit/s) WDM transmission over 8,514km using broadband gain equalisation technique for transoceanic systems, Electronics Letters, 24 th June 1999, Vol. 35, No. 13, pages 1090-1091.
TM		T. TANAKA et al, 2.1-Tbit/s WDM Transmission Over 7,221km with 80-km Repeater Spacing, ECOC, 2000, 3-7 September, 2000, 4 pages
TM		I. MORITA et al, 40 Gb/s Single-Channel Soliton Transmission Over Transoceanic Distances by Reducing Gordon-Haus Timing Jitter and Soliton-Soliton Interaction, Journal of Lighwave Technology, Vol 17, No. 12, December 1999, 2506-2511

EXAMINER SIGNATURE	<i>Takehiro Tsuritani</i>	DATE CONSIDERED	10/2003
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EXAMINER INITIALS	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
m		I. MORITA et al, 40 Gbit/s X 16 WDM Transmission Over 2000km Using Dispersion Managed Low-Nonlinear Fiber Span, ECOC 2000, 3-7 September 2000, pages 25-27 (5 pages total)
m		M. SUZUKI et al, 20 Gbit/s-based soliton WDM transmission over transoceanic distances using periodic compensation of dispersion and its slope, Electronics Letters, 10 th April 1997, Vol. 33, No. 8, pages 691-692.
m		H. TAGA et al, 213 Gbit/s (20X10.66Gbit/s), over 9000km Transmission Experiment using Dispersion Slope Compensator, OFC 1998, pages PD13-1 - PD13-4

EXAMINER SIGNATURE		DATE CONSIDERED	10/2003
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Attorney Docket Number	45755/DBP/T360
	Application Number	N/A
	Filing Date	January 25, 2002
	Applicant(s)	Takehiro Tsuritani, et al.
	Group Art Unit	N/A
	Examiner Name	N/A

U.S. PATENT DOCUMENTS						
EXAMINER INITIALS	DOCUMENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>M</i>	5,361,319	11/1994	Antos, et al.	385	123	

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
<i>M</i>	1 035 671	09/2000	EPO				
<i>M</i>	2000-82995	03/2000	Japan			Partial Translation	

OTHER DOCUMENTS	
EXAMINER INITIALS	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>M</i>	T. NAITO, ET AL., "1 Terabit/s WDM Transmission over 10,000 km" ECOC '99 PDPD2-1, Nice, 1999

EXAMINER SIGNATURE	<i>Tharishis</i>	DATE CONSIDERED	10/2003
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U.S. PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - kind code ² - Number ³ (if known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
ML		6,181,449 B1	01-30-2001	Taga, et al.

FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ² - Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁵
ML		EP 0 554 714 A1	08-11-1993	Corning Incorporated	
ML		EP 0 701 340 A2	03-13-1996	Kokusai Denshin Denwa Kabushiki Kaisha	
ML		EP 0 701 340 A3	11-27-1996	Kokusai Denshin Denwa Kabushiki Kaisha	
ML		EP 0 777 347 A2	06-04-1997	Kokusai Denshin Denwa Kabushiki Kaisha	
ML		EP 0 777 347 A3	04-15-1998	Kokusai Denshin Denwa Kabushiki Kaisha	
ML		FR 2 761 839 A1	10-09-1998	Kokusai Denshin Denwa Kabushiki Kaisha Kabushiki Kaisha	Corresponding U.S. 6,181,449 Above
ML		GB 2 309 131 A	07-16-1997	NEC Corporation	

EXAMINER SIGNATURE	<i>Takehiro Tsuritani</i>	DATE CONSIDERED	10/2003
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Applicant(s) Takehiro Tsuritani, et al.

Group Art Unit 2874

Examiner Name N/A

OTHER DOCUMENTS

Examiner (Initials)	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
M		EP Search Report, dated 07-05-2001
M		EP Search Report, dated 07-19-2002
M		Patent Abstract of Japan, Publication Number 08237222, Published 09-13-02, in the name of Nippon Telegr & Teleph Corp
M		TAGA, ET AL., "20 WDM, 10.66 Gbit/s transmission experiment over 9000 km using periodic dispersion slope compensation," Electronics Letters, 03-05-1998, Vol. 34 No. 5, pages 476-478
M		KIKUCHI, ET AL., "Analysis of cross-phase modulation (XPM) effect on WDM transmission performance," Electronics Letters, 04-10-1997, Vol. 33 No. 8, pages 653-654

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Applicant(s)	Takehiro Tsuritani et al
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Foreign Patent Document Country Code ³ , Number ⁴ , Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T* (✓)
M		EP 0 777 347 A2	06-04-1997	Kokusai Den shin Den wa Kabushiki Kaisha	previously filed Sept. 11, 2002
M		EP 1 035 671 A2	09-13-2000	KDD Corporation; KDD Submarine Cable Systems Inc.	previously filed April 30, 2002

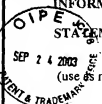
OTHER DOCUMENTS

EXAMINER INITIALS	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
M		M. Murakami et al: 'Long-Haul 16 X 10 Gb/s WDM Transmission Experiment Using Higher Order Fiber Dispersion Management Technique: IEEE Photonics Technology Letters, No. 11, No. 7, July 1999, page 898-900
M		T. Tsuritani et al: '340 Gbit/s (32 X 10.66 Gbit/s) WDM transmission over 6054km using hybrid fibre spans of large core fibre and dispersion shifted fibre with low dispersion slope': Electronics Letters, 15 April 1999, Vol. 35, No. 8, 2 pages
M		K. Tanaka et al: '320 Gbit/s (32 X 10.7 Gbit/s) error-free transmission over 7280km using dispersion flattened fibre link with standard SMF and slope compensation DCF: Electronics Letters, 14 October 1999, Vol. 35, No. 21, page 1860-1862
M		European Search Report, dated October 9, 2002, for European Patent Office Application No. 00119594.0-1246

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<i>Tanaka</i>	10/2003
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	Group Art Unit 2874
	Examiner Name Tina M. Lin

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. ¹	DOCUMENT NUMBER Number - Kind Code ² (if Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE
<i>TM</i>		5,343,322	08-30-1994	Pirio et al.
<i>TM</i>		6,134,033	10-17-2000	Bergano et al.
<i>TM</i>		US 6,263,138 B1	07-17-2001	Sillard et al.
<i>TM</i>		US 6,307,985 B1	10-23-2001	Murakami et al.
<i>TM</i>		US 6,486,993 B1	11-26-2002	Kuroshima

FOREIGN PATENT DOCUMENTS					
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OTHER DOCUMENTS		
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